

National Asset Delivery
Technical Surveys and Testing

Site Information for 570122
526 M5 J26 – 27 SB 227 – 229.5 RS
Surveys

1 SITE INFORMATION

1.1 Site boundary, extents and access arrangements

The site is located on the M5 southbound carriageway between marker posts 226.4 and 229.7. These marker posts are located between junctions 26 and 27. The site boundary is defined by the highway's boundary.

Access to the site is to be from the highway and within traffic management that is provided to undertake the works.

1.2 Pavement

HAPMS data shows that the pavement is a mixture of flexible and rigid overlaid with flexible pavement.

Asphaltic layers are predominantly around 170-180mm in thickness which is situated over either PQ concrete up to 290mm thick. There are sections where areas of PQ overlaid pavement have been replaced with fully asphaltic pavement construction up to 500mm thick, and these are located predominantly in lane 1.

1.3 Drainage

Existing information on the drainage system on HADDMS within the site extents is shown on drawings HE570122-KIER-VDS-M5_ML_226.4-229.7_A-DR-CH-0501-0502.

The earthwork's drainage within the site is not captured on HA DDMS. As-built drawing 405/205/R/108/1 indicates drains at the base of the embankment discharging into the northbound toe ditch.

1.4 Geotechnical

The proposed works will not affect the existing ground conditions or geotechnical features of the site.

1.5 Soft Estate and Environment

The proposed works will not affect the soft estate or existing environmental features of the site.

1.6 Traffic Signs, Road Markings

Not used.

1.7 Lighting

Not used

1.8 Structures and Buildings

There are 4 no. structures within the scheme extents:

- Maidendown Overbridge, Location mp 226, ID 1888
- Velhay Farm Culvert, Location mp 227/5, ID 34167
- Velhay Nursery Culvert, Location mp 227/8, ID 34166
- Bedbrook Lane Overbridge, Location mp 228, ID 1889

1.9 Tunnels

Not used

1.10 Technology

There are two sets of loops within the scheme extents adjacent to MS4 signs, at marker posts 228/5 & 229/1 + 50

1.11 Statutory Undertakers

Refer to stats pack for locations of statutory undertaker's apparatus

1.12 Traffic

Traffic data for year 2019 obtained from WebTRIS shows an AADT of 33259 with 16.2% commercial vehicles.